IN THE CLAIMS:

Please amend the claims as follows:

- 1. (Currently amended) A coal-bed-methane water treatment system An apparatus for treating coal-bed-methane water, said coal-bed-methane water treatment system the apparatus comprising:
- a pump system for delivering to deliver water from one or many at least one coal-bedmethane wells well into a common reservoir; and
- a solid-based sulfurous generator that produces generator to produce aqueous sulfurous acid to treat the coal-bed-methane water that is contained in the reservoir; and

an injection system that injects to inject soluble gypsum into at least one of the aqueous sulfurous acid and the coal-bed-methane water to further treat the coal-bed-methane water in the reservoir.

- 2. (Currently amended) The apparatus according to of claim 1, further including comprising a control system for controlling to control the a water flow rate through the solid-based sulfurous generator to achieve the a desired concentration of sulfurous acid in the coal-bed-methane water being treated.
- 3. (Currently amended) The apparatus according to of claim 2, wherein said the control system includes comprises a pH sensor for ascertaining to ascertain the pH of the coal-bed-methane water being treated; a controller connected to said the pH sensor for receiving to receive a signal representative of the pH, comparing said the signal to a set point for a desired water pH,

and providing an output control signal, which affects a flow to a control means connected to said controller for adjusting to adjust the water flow rate through said solid-based sulfurous generator to achieve the a desired concentration of sulfurous acid in the water being treated.

- 4. (Currently amended) The apparatus according to of claim 3, wherein said flow the control means includes comprises a variable frequency drive (VFD) for adjusting the pump speed to control to adjust the water flow rate of water through said solid-based sulfurous generator, said pump system being the pump system that delivers coal-bed-methane water to said solid-based sulfurous generator.
- 5. (Currently amended) The apparatus according to of claim 3, wherein said flow the control means includes comprises a variable frequency drive (VFD) for adjusting to adjust the water flow rate through a valve to control the flow rate of water through said solid-based sulfurous generator, said the valve being located between said solid-based sulfurous the generator and said pump system that delivers water to said solid-based sulfurous controlling the water flow rate through the generator.
- 6. (Currently amended) The apparatus according to of claim 2, wherein said the control system includes comprises a flow rate sensor for determining to measure the water flow rate of water into said reservoir through the generator; a controller connected to said the flow rate sensor for receiving to receive a signal representative of the flow rate and providing to provide an output control signal to a flow control means connected to said controller for adjusting to adjust the

water flow rate through said solid-based sulfurous the generator to achieve the a desired concentration of sulfurous acid in the water being treated.

- 7. (Currently amended) The apparatus according to of claim 2, wherein said the control system further includes comprises a feed load cell for determining to determine the weight of sulfur being fed to said solid-based sulfurous the generator.
- 8. (Currently amended) The apparatus according to of claim 7, further including comprising a timer circuit for calculating the to calculate a feed burn rate based on the a change in the of an output of the feed load cell over time.
- 9. (Currently amended) The apparatus according to of claim 2, wherein said the control system further includes comprises a flow meter for measuring to measure the water flow rate of water through said solid-based sulfurous generator.
- 10. (Currently amended) The apparatus according to of claim 2, wherein said the control system further includes comprises a timer for to selectively starting start and stopping said solid-based sulfurous stop the generator.